

## 3.8 Statistics and Spreadsheets

Is there a relationship between if a student is active or not and how long they can hold up a heavy book?

1. What is your hypothesis? Is there a relationship between if a student is active or not and how long they can hold up a heavy book?
2. How will we determine what it means to 'be active'?
3. How will we know when they are no longer able to hold up the book?
4. Are you active or not? Have a partner time how long you can hold up a book and record it below.

### Spreadsheet

5. Set up your spreadsheet to look like this:

	A	B	C	D	E
1	Active?	Time		Min.	Median
2					
3					
4				Max.	Mean
5					
6					
7				Min Active	Median Active
8					
9					
10				Max Active	Mean Active
11					
12					
13				Min Inactive	Median Inactive
14					
15					
16				Max Inactive	Mean Inactive
17					